

CLAIMS

- Sub B*
1. A sheet metal panel (P, P*) for a roof covering or wall cladding, having two cover sheets (1, 2) and an intermediate layer (11) of thermal insulating material, characterised in that applied to the cover plate (2) of the panels forming the outside is a plane photovoltaic element (17, 18) which has electric connecting cables (21, 22) and which takes the form of a flexible laminate having a cold-bonding adhesive (19, 20) on its rear side and whose electric connecting cables (21, 22) extend through bores (23) in the sheet metal panel (P P*), which are sealed with respect to physical constructional demands.
 2. A sheet metal panel according to claim 1, characterised in that the photovoltaic element (17, 18) is built up from amorphous silicon cells.

Sub A'

 3. A sheet metal panel according to claims 1 or 2, characterised in that the adhesive (19, 20) is a layer of bituminous material.
 4. A sheet metal panel according to one of claims 1 to 3, characterised in that the bores (23) in the cover sheet (1) forming the underside are provided with a closure (26) acting as a vapour barrier.

cont'd.
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